



BUTTE COUNTY ASSOCIATION of GOVERNMENTS

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December 19, 2002

Mr. Michael G. Ritchie, Division Administrator
FHWA, Sacramento

Mr. Leslie Rodger, Regional Administrator
FTA, Region IX

Ms. Julia Barrow, Chief, Mobile Sources Section
EPA, Region IX

Ms. Jody Lonergan, Director
Caltrans, District 3

Subject: Transmittal of Adopted Amendment #1 to the 2002 Federal Transportation Improvement Program (FTIP) for Butte County

Dear Messrs and Messes:

The adopted Amendment #1 to the FY 2002/03 FTIP (Attachment 1), hereby, transmitted to you for your review and approval. The amendment includes a regional emissions analysis as well. The BCAG Board of Directors adopted this Amendment at its December 19, 2002 meeting.

Three projects are included in Amendment #1 into the 2002 Butte County FTIP. They include:

1. SR 149 Project (PPNO 0016W). Programs R/W funds into the 2002 FTIP period. This project is included in the 2002 FTIP, however, R/W funds were identified in the previous FTIP period and not carried over. This amendment also combines R/W and Construction into Construction for the Regional Improvement Program (RIP). The total cost of the project does not change. This project is programmed in the 2002 State Transportation Improvement Program (STIP). This project received a STIP Extension by the California Transportation Commission (CTC), however, extension dates do not carry forward automatically into the FTIP period. This project is not exempt from a regional emissions analysis.
2. East 1st Avenue and Mangrove CMAQ Project (MPO ID 213042). This project is programmed in the Congestion Mitigation and Air Quality Program in the 2002 FTIP. The scope of the project includes operational intersection improvements.

This amendment carries forward R/W funds identified in the 2001/2002 fiscal year. Because R/W funds were not obligated before the end of the FFY 01/02, the component is required to be formally amended into the 2002 FTIP. This project is exempt from a regional emissions analysis per EPA's Transportation Conformity Rule Section 51.462 Table 3 "Project Exempt From Regional Emissions Analysis – Intersection Signalization Projects At Individual Intersections."

3. North Fork Trail (MPO ID 814092). The scope of the project is to construct a non-motorized trail along the North Fork of Lake Oroville in Butte County. This project is exempt from a regional emissions analysis per EPA's Transportation Conformity Rule Section 51.460 Table 2 "Exempt Projects - Bicycle and Pedestrian Facilities."

Specific programming and additional project data is included in the CTIPS (California Transportation Improvement Program System) data printouts attached to this correspondence. In addition, you or your staff can directly access the CTIPS database and search by Amendment #1 for these three projects. These projects are included or are consistent with the adopted 2001 Butte County Regional Transportation Plan.

The BCAG Board of Directors resolution approving Amendment #1 to the 2002 FTIP and Air Quality Conformity Determination is also included for your record. Amendment # 1 has been noticed in the local newspaper for review and comment. This amendment is also available for review at BCAG's website at www.bcag.org.

We hope the information provided will assist in your review of BCAG's adopted Amendment #1 to the FTIP and Air Quality Conformity Analysis and Determination as well as concurrence that two of the three projects are exempt from a regional emissions analysis for air quality conformity purposes.

If you have any questions concerning this amendment, please call Mr. Iván García, Programming Manager of my staff at 530-879-2468. Thank you for your assistance.

Sincerely,



Jon A. Clark
Executive Director

Attachment 1 CTIPS Project Data Printouts
Attachment 2 Regional Emissions Analysis and Air Quality Conformity Determination

Distribution: William Powell, FTA
Sue Kiser, FHWA
Susan Wilson, Caltrans District 3
Ron Hall, Caltrans District 3
Kris Balaji, Caltrans Division of Transportation Programming



**BUTTE COUNTY ASSOCIATION OF GOVERNMENTS
RESOLUTION NO. 2002/03-12**

**APPROVING AMENDMENT #1 TO THE 2002 BUTTE COUNTY
FEDERAL TRANSPORTATION IMPROVEMENT PROGRAM AND APPROVAL OF
THE AIR QUALITY CONFORMITY ANALYSIS AND DETERMINATION**

WHEREAS, the Butte County Association of Governments is the designated Metropolitan Planning Organization for Butte County in accordance with 23 USC 134(b)(6); and Section 450.306 of the Metropolitan and Statewide Planning Rule; and

WHEREAS, the Transportation Equity Act for the 21st Century requires the Butte County Association of Governments, as the Metropolitan Planning Organization, to prepare a Transportation Improvement Program in cooperation with the State and transit operators, to include all projects to be funded under Title 23 and the Federal Transit Administration grants; and requires BCAG to prepare a long-range Regional Transportation Plan and short-range Federal Transportation Improvement Program;

WHEREAS, due to the revocation of the United States Environmental Protection Agency's 8-hour rule for ozone, and the subsequent reinstatement of the 1-hour rule, Butte County has been designated as "transitional non-attainment" for ozone;

WHEREAS, the United States Environmental Protection Agency has designated the Chico Urbanized area "maintenance" for carbon monoxide;

WHEREAS, the Butte County Association of Governments is responsible for preparing a conformity determination for projects contained in the 2001 Regional Transportation Plan and the 2002 Federal Transportation Improvement Program, including amendments, by conducting an acceptable conformity methodology for ozone called a "less than 1990 test";

WHEREAS, the Butte County Association of Governments is responsible for preparing a conformity determination for projects contained in the 2001 Regional Transportation Plan and 2002 Federal Transportation Improvement Program, including amendments, by conducting an acceptable conformity methodology for carbon monoxide called a "budget test";

Resolution No. 2002/03-12

WHEREAS, the Butte County Association of Governments has determined that two projects proposed in Attachment 1 are exempt from an air quality conformity analysis and determination per EPA's Transportation Conformity Rule Section 51.460, Table 2, and Section 51.462 Table 3 indicating that intersection signalization projects at individual intersections and bicycle and pedestrian facilities are exempt from a regional emissions analysis;

WHEREAS, the Butte County Association of Governments has prepared a regional emissions analysis for the SR 149 project identified in Attachment 1 and have demonstrated that the emissions are within the allowable thresholds for Butte County and presented in Attachment 2;

NOW THEREFORE BE IT RESOLVED that the Butte County Association of Governments has prepared and approved Amendment #1 to 2002 Federal Transportation Improvement Program in accordance with the Transportation Conformity Rule requirements applicable to Butte County and determine that the projects are consistent with the policies, goals and objectives of the adopted 2001 Regional Transportation Plan. Based on this analysis, the Butte County 2001 Regional Transportation Plan and the Butte County 2002 Federal Transportation Improvement Program, including amendments, conform to the applicable State Implementation Plan (SIP) and all applicable sections of the EPA's Transportation Conformity Rule.

PASSED AND ADOPTED by the Butte County Association of Governments on this 19th day of December 2002 by the following vote:

AYES: Houx, Beeler, Josiassen, Dolan, Cook, Andoe, Kirk, Yamaguchi, White

NOES: 0

ABSENT: Markle

ABSTAIN: 0



GORDON ANDOE, CHAIR
BUTTE COUNTY ASSOCIATION OF GOVERNMENTS

ATTEST: 

JON A. CLARK, EXECUTIVE DIRECTOR
BUTTE COUNTY ASSOCIATION OF GOVERNMENTS

Attachment 1

Amendment #1 – Butte County Federal Transportation Improvement Program (FTIP)

Butte County Association of Governments - Federal Transportation Improvement Program
(Dollars in Whole)
State Highway System

DIST: 03	COUNTY: Butte County	TITLE (DESCRIPTION):	MPO Aprv: 12/19/2002
ROUTE: 149	PM: 0.0 / R4.6	Hwy 149 4 Lane Expressway (Near Oroville - Route 70 to Route 99 - new	State Aprv: / /
PPNO: 0016W	KP: 0.0 / R7.4	Route 149 4-lane expressway, new 70/149 and 99/149 Interchanges)	Federal Aprv: / /
EA: 3822U0	MPO ID: 702093		
CTIPS ID: 102-0000-0028			
IMPLEMENTING AGENCY: Caltrans	PRJ MGR: Winder Bajwa	EPA TABLE II or III EXEMPT CATEGORY:	
	PHONE: (530) 741-4432		

PROJECT VERSION HISTORY (Printed Version is Shaded)

(Dollars in whole)

Version	Status	Official Date	Updated By	Change Reason	Amend No.	Prog Con	Prog RW	PE				
4	Official	12/19/2002	IGARCIA	Amendment - Other (Explain ==>)	1	71,420,999	9,499,000	18,999,000				
3	Official	07/25/2002	IGARCIA	Adoption - Carry Over		71,420,997	9,499,000	18,999,000				
2	Official	04/26/2001	IGARCIA	Amendment	1	50,935,000	2,886,000	11,447,000				
1	Official	07/27/2000	IGARCIA	Adoption		19,860,000	1,400,000	4,862,000				
<hr/>												
• STIP - IIP (Grandfathered) - State Hwys - New Facilities				<u>PRIOR</u>	<u>02/03</u>	<u>03/04</u>	<u>04/05</u>	<u>05/06</u>	<u>06/07</u>	<u>07/08</u>	<u>BEYOND</u>	<u>TOTAL</u>
• Fund Source 1 of 6				PE	1,312,970	866,329						2,179,299
• Fund Type: State Cash				RW		331,024						331,024
• Funding Agency:				CON		5,139,821						5,139,821
				TOTAL	1,312,970	1,197,353	5,139,821					7,650,144
<hr/>												
• STIP - IIP (Grandfathered) - State Hwys - New Facilities				<u>PRIOR</u>	<u>02/03</u>	<u>03/04</u>	<u>04/05</u>	<u>05/06</u>	<u>06/07</u>	<u>07/08</u>	<u>BEYOND</u>	<u>TOTAL</u>
• Fund Source 2 of 6				PE	10,134,028	6,686,670						16,820,698
• Fund Type: National Hwy System				RW		2,554,975						2,554,975
• Funding Agency:				CON		39,671,178						39,671,178
				TOTAL	10,134,028	9,241,645	39,671,178					59,046,851
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• STIP - IIP - State Hwys - New Facilities				<u>PRIOR</u>	<u>02/03</u>	<u>03/04</u>	<u>04/05</u>	<u>05/06</u>	<u>06/07</u>	<u>07/08</u>	<u>BEYOND</u>	<u>TOTAL</u>
• Fund Source 3 of 6				PE								
• Fund Type: State Cash				RW		758,626						758,626
• Funding Agency:				CON		2,237,797						2,237,797
				TOTAL		758,626	2,237,797					2,996,423
<hr/>												
• STIP - IIP - State Hwys - New Facilities				<u>PRIOR</u>	<u>02/03</u>	<u>03/04</u>	<u>04/05</u>	<u>05/06</u>	<u>06/07</u>	<u>07/08</u>	<u>BEYOND</u>	<u>TOTAL</u>
• Fund Source 4 of 6				PE								
• Fund Type: National Hwy System				RW		5,855,374						5,855,374
• Funding Agency:				CON		17,272,203						17,272,203
				TOTAL		5,855,374	17,272,203					23,127,577
<hr/>												
• STIP - RIP - State Hwys - New Facilities				<u>PRIOR</u>	<u>02/03</u>	<u>03/04</u>	<u>04/05</u>	<u>05/06</u>	<u>06/07</u>	<u>07/08</u>	<u>BEYOND</u>	<u>TOTAL</u>
• Fund Source 5 of 6				PE								
• Fund Type: State Cash				RW								
• Funding Agency:				CON		814,370						814,370
				TOTAL		814,370						814,370
<hr/>												
• STIP - RIP - State Hwys - New Facilities				<u>PRIOR</u>	<u>02/03</u>	<u>03/04</u>	<u>04/05</u>	<u>05/06</u>	<u>06/07</u>	<u>07/08</u>	<u>BEYOND</u>	<u>TOTAL</u>
• Fund Source 6 of 6				PE								
• Fund Type: National Hwy System				RW								
• Funding Agency:				CON		6,285,630						6,285,630
				TOTAL		6,285,630						6,285,630
<hr/>												
Project Total				<u>PRIOR</u>	<u>02/03</u>	<u>03/04</u>	<u>04/05</u>	<u>05/06</u>	<u>06/07</u>	<u>07/08</u>	<u>BEYOND</u>	<u>TOTAL</u>
				PE	11,446,998	7,552,999						18,999,997
				RW		9,499,999						9,499,999
				CON			71,420,999					71,420,999
				TOTAL	11,446,998	17,052,998	71,420,999					99,920,995

Comments:

***** Version 4 - 11/06/2002 *****

Combined R/W & CON into CON for RIP into 2002 which accounted for split of R/W from Con for IIP.
Total project cost is the same. Changed to bring funding into 2002 FTIP period and consistency between STIP (extension dates) & FTIP.
Moved 6614 IIP Const. to R/W.
Moved 6614 RIP R/W to Const. IG.

***** Version 3 - 05/03/02 *****

Project data transferred from 2002 STIP.
Project consists of mainline widening on 149 and both Interchanges at SR 70 and SR 99

Butte County Association of Governments - Federal Transportation Improvement Program
(Dollars in Whole)
Local Highway System

DIST: 03	COUNTY: Butte County	TITLE (DESCRIPTION): East 1st Ave/Mangrove Ave. Intersection (East 1st Ave/Mangrove Ave Intersection CMAQ project. Operational intersection improvements. Add right turning lane on each leg. Also curb, gutter and new traffic signal.)	MPO Aprv: 12/19/2002
ROUTE:	PM:		State Aprv: / /
PPNO:	KP:		Federal Aprv: / /
EA:	MPO ID: 213042		
CTIPS ID: 202-0000-0020			
IMPLEMENTING AGENCY: Chico, City of	PRJ MGR: E.C. ROSS		EPA TABLE II or III EXEMPT CATEGORY: Intersection signalization projects.
	PHONE: (530) 895-4874		

PROJECT VERSION HISTORY (Printed Version is Shaded)					(Dollars in whole)							
Version	Status	Official Date	Updated By	Change Reason	Amend No.	Prog Con	Prog RW	PE				
4	Official	12/19/2002	IGARCIA	Amendment - Other (Explain ==>)	1	272,000	295,000	37,000				
3	Official	07/25/2002	IGARCIA	Adoption - Carry Over		272,000	295,000	37,000				
2	Official	04/26/2001	IGARCIA	Amendment - Cost/Scope/Sch. Change	1	272,000	295,000	37,000				
1	Official	07/27/2000	IGARCIA	Adoption		272,000	295,000	90,000				
• Local FHWA - CMAQ - Local Agencies - CMAQ				PRIOR	02/03	03/04	04/05	05/06	06/07	07/08	BEYOND	TOTAL
• Fund Source 1 of 2				PE								277,000
• Fund Type: Congestion Mitigation				RW	277,000							249,000
• Funding Agency: Chico, City of				CON	249,000							
TOTAL					526,000							526,000
• Locally Generated Funds - Locally Generated Funds				PRIOR	02/03	03/04	04/05	05/06	06/07	07/08	BEYOND	TOTAL
• Fund Source 2 of 2				PE	37,000							37,000
• Fund Type: City Funds				RW	18,000							18,000
• Funding Agency: Chico, City of				CON	23,000							23,000
TOTAL					37,000	41,000						78,000
Project Total				PRIOR	02/03	03/04	04/05	05/06	06/07	07/08	BEYOND	TOTAL
				PE	37,000							37,000
				RW	295,000							295,000
				CON	272,000							272,000
TOTAL					37,000	567,000						604,000

Comments:

***** Version 4 - 11/08/2002 *****
Moving R/W into 02/03. Local agency submitted obligation request Mid September 2002 - too late to process by FHWA for 01/02 FFY. As such, now need formal amendment for R/W only. IG

***** Version 3 - 05/01/2002 *****
Carry over project IG 5/1/02

CMAQ Project - EPA TABLE 3 Exempt Category: Intersection Signalization Project

PE funds incorrectly entered. Delete 53k in local PE funds in 01/02 fy. 2/27/01 - IG

Butte County Association of Governments - Federal Transportation Improvement Program
(Dollars in Whole)
Local Highway System

DIST: 03	COUNTY: Butte County	TITLE (DESCRIPTION): North Fork Trail (Construct a 2.5 mile trail along the North Fork of Lake Oroville in Butte County. The non-motorized trail will provide an accessible trail to the Potter Ravine and North Fork over)	MPO Aprv: 12/19/2002
ROUTE:	PM:		State Aprv: / /
PPNO:	KP:		Federal Aprv: / /
EA:	MPO ID: 814092		
CTIPS ID: 202-0000-0025			
IMPLEMENTING AGENCY: Calif. Department of Parks and Recreation		PRJ MGR: ROGER CALLOWAY	EPA TABLE II or III EXEMPT CATEGORY:
		PHONE: (530) 538-2200	Bicycle and pedestrian facilities.

PROJECT VERSION HISTORY (Printed Version is Shaded)						(Dollars in whole)					
Version	Status	Official Date	Updated By	Change Reason	Amend No.	Prog Con	Prog RW			PE	
1	Official	12/19/2002	IGARCIA	Amendment - New Project	1	174,500					
			PRIOR	02/03	03/04	04/05	05/06	06/07	07/08	BEYOND	TOTAL
	Fund Source 1 of 2		PE								
	Fund Type: Recreational Trails Program		RW								
			CON	139,600							139,600
	Funding Agency: Calif. Department of Parks and Recreation										
	TOTAL			139,600							139,600
			PRIOR	02/03	03/04	04/05	05/06	06/07	07/08	BEYOND	TOTAL
	Fund Source 2 of 2		PE								
	Fund Type: Local Transportation Funds		RW								
			CON	34,900							34,900
	Funding Agency: Calif. Department of Parks and Recreation										
	TOTAL			34,900							34,900
			PRIOR	02/03	03/04	04/05	05/06	06/07	07/08	BEYOND	TOTAL
	Project Total										
			PE								
			RW								
			CON	174,500							174,500
			TOTAL	174,500							174,500

Comments:

***** Version 1 - 11/08/2002 *****

***** Version 1 - 11/08/2002 *****
Project originally programmed in 2000 FTIP. Project did not receive federal permits in time. Project required to be re-programmed thru formal amendment as a new. Project is exempt from a regional emissions analysis

APPENDIX 2

BUTTE COUNTY 2002 FTIP AMENDMENT #1 REGIONAL EMISSIONS ANALYSIS AND AIR QUALITY CONFORMITY DETERMINATION

Project: State Route 149 – Construct 4 lane expressway from State Route 70 to State Route 99.

Less Than 1990” Conformity Test

It was communicated by FHWA that BCAG would have the choice of two different tests to make a conformity determination for ozone; a “build/no-build” test or a “less than 1990” test. For this conformity determination, BCAG used the “less than 1990” test.

To make a conformity determination for ozone using the “less than 1990” test, future emissions of ozone precursors must be shown to be less than those present in 1990.

The 1990 emissions estimates for ROG and NO_x were taken directly from BCAG's adopted 1996 Regional Transportation Plan. These 1990 estimates were generated for the 1996 RTP using the same methodology that was used for the 2000-2025 emissions estimates: the BCAG model was run to produce the files necessary for input into the DTIM and EMFAC models, and these models were then run by the Caltrans Transportation System Information Program to produce outputs showing the ROG and NO_x emissions levels. The 1990 emissions estimates established in the 1997 unadopted Butte County Ozone Redesignation & Maintenance Plan were not used because they were not as stringent as those contained in the 1996 RTP.

Carbon Monoxide “Budget Test”

To make a conformity determination for CO, a budget test was performed showing actual emissions of CO compared to the emissions budget of 100 tons per day. To pass the budget test, CO emissions must be less than the established 100-tons/day emission budget.

Regional Emissions Analysis and Forecast

The regional emissions analysis and forecast for ozone precursors and carbon monoxide is summarized in the following tables. The summary of emissions forecasts contains those outputs from the DTIM model. These tables show comparisons of:

ROG: Reactive Organic Gases as an ozone precursor
NO_x: Oxides of Nitrogen as an ozone precursor
CO: Carbon Monoxide

Regional Emissions Analysis and Forecast

ROG - TONS PER DAY OF EMISSIONS			
Analysis Year	ROG Emissions	Less than 1990?	Pass Conformity Test?
1990	12.093	--	--
2000	5.531	YES	YES
2010	2.887	YES	YES
2020	2.205	YES	YES
2025	2.427	YES	YES

Regional Emissions Analysis and Forecast - Continued

NOx - TONS PER DAY OF EMISSIONS			
Analysis Year	NOx Emissions	Less than 1990?	Pass Conformity Test?
1990	10.093	--	--
2000	7.508	YES	YES
2010	5.138	YES	YES
2020	4.722	YES	YES
2025	5.066	YES	YES

CO - TONS PER DAY OF EMISSIONS				
Analysis Year	CO Emissions	CO Budget	Available Budget	Pass Conformity Test?
2000	40.194	100.000	59.677	YES
2010	27.317	100.000	72.672	YES
2020	26.611	100.000	73.145	YES
2025	30.162	100.000	70.473	YES

Air Quality Conformity Determination

The results from this conformity analysis show that current and future emissions of the ozone precursors ROG and NOx will be less than the 1990 base level threshold, and future carbon monoxide emissions will be below their budget threshold of 100 tons per day. Thus, Butte County, in accordance with the Transportation Conformity Rule requirements applicable to Butte County (§51.464 and §51.436 – 51.440), has satisfied the requirements of the “less than 1990” test for ozone, and the “budget test” for carbon monoxide. **Based on this analysis, the 2002 Federal Transportation Improvement Program Amendment #1 and the 2001 Regional Transportation Plan (RTP) conforms to the applicable State Implementation Plan (SIP) and all applicable sections of the EPA’s Transportation Conformity Rule.**